

In the Specification

Please add the following sentence following the title:

--This application is a divisional of co-pending application number 09/594,979 which was filed on 6/15/2000.--

In the Claims

Please cancel all remaining claims and enter the new claims 1-12 as follows:

What is claimed is:

- 1 1. An apparatus for creating high crown and camber curvature in slider
2 materials having an air bearing surface and a flex side, comprising:
3 a laser which produces a pulsed laser beam for machining the slider material;
4 at least one beam directing device, which directs the laser beam onto the flex
5 side of the slider material; and
6 a fluence varying device so that optimal fluence is achieved to produce
7 optimal curvature.
- 1 2. The apparatus of claim 1, wherein:
2 the fluence varying device is at least one focusing lens which directs the laser
3 beam to focus within a focal plane and
4 a movable fixture which varies the position of the slider material with respect
5 to the focal plane.
- 1 3. The apparatus of claim 2, wherein:
2 the movable fixture is a movable stage upon which the slider material is
3 attached, and by which the slider material is moved relative to the focal plane.
- 1 4. The apparatus of claim 2, wherein:
2 the movable fixture is a movable stage upon which the lens is attached, and
3 by which the focal plane is moved relative to the slider material.
- 1 5. The apparatus of claim 1, wherein the laser processing system produces laser
2 pulses with a pulse width in the range of 1×10^{-9} seconds to 1×10^{-3} seconds.
- 1 6. The apparatus of claim 1, wherein the laser processing system produces laser
2 pulses with an energy per pulse in the range of 1 to 1,000,000 microJoules